

# Introduction to Computing

What is Computer  
Science?

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# What is Computer Science

## **Study of:**

- ✓ Hardware/Software
- ✓ Programing
- ✓ Networks
- ✓ Graphics
- ✓ Robots
- ✓ Database
- ✓ Security
- ✓ Algorithmic Solutions
- ✓ Information Processing

# Why Computer Science?

## Applications:

- ✓ Telecom
- ✓ Banks
- ✓ Hospitals
- ✓ Software Houses
- ✓ Service Industry
- ✓ Pak Army
- ✓ Freelancing
- ✓ and many more

# Why Computer Science?

## Job Web Portal in Pakistan

Browse Jobs in Pakistan

By Function

By Industry

By City

By Company

Software & Web (830)

Administration (180)

Computer Networking (72)

Sales & BD (763)

Telemarketing (130)

Clerical & Front Office (68)

Accounts & Finance (357)

Writing (127)

Hotel/Restaurant Ma... (60)

Customer Service (326)

Engineering (113)

Quality Assurance (QA) (54)

Marketing (298)

Health & Medicine (102)

Data Entry (48)

Teaching & Education (210)

Human Resources (102)

[More Functional Areas](#)

Creative Design (188)

Operations (88)

# Why Computer Science?

Browse Jobs in Pakistan			By Function	By Industry	By City	By Company
Information Technol... (1274)	Insurance / Takaful (137)	Textiles/Garments (77)				
Services (341)	Healthcare/Hospital/... (113)	Consultants (76)				
Manufacturing (275)	N.G.O./Social Services (98)	Importers/ Distributo... (74)				
Education/Training (257)	Banking/Financial Se... (95)	Food & Beverages (71)				
Call Center (200)	BPO (87)	Advertising/PR (70)				
Real Estate/Property (158)	Business Development (84)	<a href="#">More Industries</a>				
Telecommunication/... (144)	Engineering (82)					

<https://www.rozee.pk/> accessed on 16<sup>th</sup> July  
2018

# Why Computer Science?

**U.S. Top 10 jobs 2018**

**Software  
Developer**

<https://www.forbes.com/sites/richardgano/2018/01/29/the-best-jobs-for-2018-and-beyond/#1940306742c4>

accessed on 16<sup>th</sup> July 2018

# Why Computer Science?

## **10 most demanded jobs:**

1. Artificial Intelligence and Machine Learning
2. Data Science
3. Virtual Reality
4. IoT
5. Back-End Developer
6. Front-End Developer
7. UI Designer
8. Full-Stack Engineer
9. IT Manager
10. Quality Assurance Expert

# Summary

1. What is computer Science
2. Why we should study CS:
  - a) Applications
  - b) Job Placement
  - c) Local market trend
  - d) International Market Trend
  - e) Most demanded jobs in CS